



## **Dell OpenManage™ Remote Assistant Card VT-100 Cable**

This document provides information about installing the Dell OpenManage Remote Assistant Card (DRAC) VT-100 serial cable and installing the software to run VT-100 terminal emulation.

To use the optional VT-100 cable, you must install the software to run the VT-100 terminal emulation.

### **Installing the DRAC Serial Cable for VT-100 Terminal Emulation**

1. Power down the server and turn off all attached peripheral devices.
2. Disconnect the computer and peripheral devices from their electrical outlets.
3. Disconnect any telecommunication lines from the computer.



**WARNING:** The power supplies in your computer or storage system may produce high voltages and energy hazards, which can cause bodily harm. Only trained service technicians are authorized to remove the computer covers and access any of the components inside the computer. This warning applies to Dell™ PowerEdge™ 4xxx or higher servers and Dell PowerVault™ 2xxS storage systems.

4. Remove the computer cover according to the instructions in your Dell PowerEdge systems *Installation and Troubleshooting Guide*.

**NOTICE:** You must use the serial cable for VT-100 terminal emulation because it has a specific pin-out. Using the wrong cable will result in VT-100 terminal emulation failure.



*NOTE:* The interface is standard RS-232 serial communications and is via a male DB9 connector.

5. Connect the DRAC serial cable to the J2 serial connector on your DRAC.

6. Install the DRAC serial cable's bracket in an empty slot in your Dell PowerEdge system.
7. Replace and secure the computer cover.
8. Reconnect the computer and peripheral devices to their electrical outlets and turn them on.

The DRAC is ready to be connected to a device that either supports VT-100 terminal emulation or is a VT-100 terminal. To run the terminal emulation, see the next section, "Installing the Software to Run VT-100 Terminal Emulation."

## ***Installing the Software to Run VT-100 Terminal Emulation***

Software that supports VT-100 terminal emulation, such as Microsoft® Windows® HyperTerminal, must be installed on the system that you want to connect to the DRAC. If this software is already installed, go to step 8. Otherwise, perform the following steps:

1. Click the **Start** button, point to **Settings**, and click **Control Panel**.
2. Double-click the **Add/Remove Programs** icon.
3. Click the **Windows Setup** tab.
4. In the **Components** area, click **Communications**.
5. Click **Details**.
6. Click the box to the left of **HyperTerminal**.
7. Click **OK** twice.

You are prompted to insert the Microsoft Windows CD.

8. Click the **Start** button, point to **Programs—> Accessories**, and click **Communication**.
  9. Click the **HyperTerminal** folder.
  10. Double-click the **Hypertrm** icon.
  11. Type a name for your DRAC connection (for example, DRAC VT-100 connection) and click **OK**.
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12. Click the down arrow in the **Connect using:** window.

13. Select the communications (COM) port that you will be using.

Ensure that you have a null modem cable connecting the COM port you choose to the DRAC serial connection.

When using a VT-100 (or equivalent) terminal rather than terminal emulation software, a standard serial cable should be used.

14. Click **OK**.

15. Click the down arrow in the **Bits per second** window.

16. Click **57600** and click **OK**.

The program is now configured.

17. To start terminal emulation, click **call** and then click **connect**.

## ***Using VT-100 Terminal Emulation With DRAC 2.1 and Later***

1. Start terminal emulation and then complete the instructions as they appear on the screen.

You are prompted to type the username and password.

The DRAC must be configured before starting terminal emulation. See the *DRAC 2.x User's Guide* for information on configuring your DRAC.

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A menu appears with all commands that can be used with the DRAC under VT-100 terminal emulation.

2. Choose the command number you want and press <Enter>.



*NOTE: To end text redirection, you must press and hold the <Ctrl> key and type b. Text redirection does not work in graphics mode.*

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